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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/757,955

01/14/2004

Sang-Yoon Jung

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EXAMINER

TRAN, DALENA

ART UNIT

PAPER NUMBER

3664

MAIL DATE

DELIVERY MODE

12/20/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/757,955	JUNG ET AL.	
	Examiner	Art Unit	
	Dalena Tran	3664	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 October 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9, 11-14 and 16-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9, 11-14, 16-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Notice to Applicant(s)

1. This office action is responsive to the amendment filed on 10/16/07. As per request, claims 1-2, 4, 7, 9, 12, 16, 19, and 22 have been amended. Claims 10, and 15 have been cancelled. Thus, claims 1-9, 11-14, and 16-23 are pending.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-9, 11-14, and 16-23, are rejected under 35 U.S.C.103(a) as being unpatentable over Straub (6675085) in view of Kajiwara (5432509).

As per claims 1, and 16, Straub discloses a warning generating apparatus for generating a warning in a navigation system, the apparatus comprising: a data receiving unit for receiving route guidance information data and outputting the route guidance information data and current weather information (see column 7, lines 1-67); a data analyzing unit for determining whether warning data has been included in the route guidance information data outputted from the data receiving unit (see column 2, lines 13-43; columns 3-4, lines 25-24; and columns 8-9, lines 61-39); a sensor for sensing a current travel speed of a movable body (see columns 2-3, lines 44-17; and columns 9-11, lines 40-24), and the warning data and the warning weather conditions include data for weather conditions and regulation speed (see column 7, lines 1-16). Straub does not disclose a restricted warning. However, Kajiwara discloses a restricted warning generating

unit for receiving the route guidance information data from the data analyzing unit if the route guidance information data includes the warning data, for receiving the current travel speed from the sensor, and for determining whether the restricted warning generating unit will output a warning for the warning data based on the current travel speed, the warning data, the current weather information and warning weather conditions corresponding to the warning data, and stored in advance according to a type of the warning data; and a warning/guidance output unit for outputting the warning corresponding to the warning data that is included in road guidance information data, when the restricted warning generating unit determines to output the warning (see columns 5-6, lines 1-62; and columns 7-8, lines 64-48). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of Straub by combining a restricted warning to generate an appropriate warning according to weather condition, to avoid confusing to the driver.

As per claims 2, and 17, Kajiwara discloses when the current weather information is snow or rain, the regulation speed is reduced (see columns 5-6, lines 1-62).

As per claims 3, and 18, Straub discloses receives route guidance information data includes current time information (see columns 3-4, lines 24-24).

As per claims 4, and 19, Straub discloses the data receiving unit receives the route guidance information data which further includes a regulation speed and road information representing danger information (see columns 3-4, lines 24-24; and columns 8-9, lines 1-12).

As per claims 5, and 20, Straub discloses the sensor further includes a speed sensor which is installed on a predetermined position of the movable body and which senses-the travel speed

of the movable body (see columns 2-3, lines 44-17; column 4, lines 41-59; and columns 6-7, lines 16-9).

As per claims 6, and 21, Straub discloses the sensor receives the travel speed of the movable body from a speed sensor which is installed on a predetermined position of the movable body and which senses the travel speed of the movable body (see the abstract).

As per claims 7, and 22, Straub also discloses the restricted warning generating unit further determines actual travel environment information of the movable body, checks the kind of the warning data transmitted from the data analyzing unit (see columns 5-6, lines 11-14), receives route guidance information data having current time/weather information from the data receiving unit and receives the current travel speed of the movable body from the sensor (see columns 3-4, lines 24-24), compares warning generation conditions corresponding to the checked kind of the warning data with the actual travel environment information (see columns 6-7, lines 15-9), determines to output a warning only when the actual travel environment information satisfies the warning generation conditions corresponding to the warning data, and outputs the warning information to the warning/guidance output unit if it is determined to output a warning (see columns 2-3, lines 44-17).

As per claims 8, and 23, Straub discloses when the route guidance information data does not include warning data when the route guidance information data is transmitted from the data analyzing unit, the warning/guidance output unit general path guidance information based on the route guidance information data (see columns 10-11, lines 66-24).

Claims 9, and 12, are method claims corresponding to apparatus claims 1, and 4 above. Therefore, they are rejected for the same rationales set forth as above.

Claims 11, and 13-14, are method claims corresponding to apparatus claims 3, and 7 above. Therefore, they are rejected for the same rationales set forth as above.

Remarks

4. Applicant's argument filed on 10/16/07 has been fully considered. Upon updated search, the new ground of rejection has been set forth as above.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dalena Tran whose telephone number is 571-272-6968. The examiner can normally be reached on M-W (in a first week of a bi-week), and T-R (in a second week of bi-week) from 7:00AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Khoi H. Tran can be reached on 571-272-6919. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Patent Examiner
Dalena Tran

December 17, 2007

